



**Thailand – Japan Student ICT Fair 2016**  
**“ Seeding Innovations Through Fostering Thailand – Japan Youth Friendship ”**

21-23 December 2016  
Princess Chulabhorn Science High School Chonburi, Thailand

## **Thailand-Japan Students ICT Fair 2016 (TJ-SIF 2016)**

### **A great challenge for students**

Welcome to TJ-SIF 2016! Do you believe that dreams can be fulfilled? We do! And right now you are part of a dream which has become real. After the success of last year Thailand-Japan Students Science Fair, held in Phetchaburi, Thailand, there was a dream to continue holding Thai and Japanese Students Science Fairs. The second one was going to be emphasized on Information and Communication Technology (ICT). Although it was a great challenge, we believe it was going to be highly beneficial for our students and it was going to assure a deeper understanding of science. Moreover, it would create a close friendship among Thai and Japanese youth and teachers.

**And now, the time has come! TJ-SIF 2016 is here and you are taking part in this great event!**

We are happy to welcome 46 Japanese students, teachers and principals from Super Science High Schools and leading schools in Japan. And also we welcome about 390 Thai students, teachers and principals from the twelve Princess Chulabhorn Science High Schools.

We have the privilege to receive the Prime Minister of Thailand to preside the opening ceremony and listen to some students presentations. The Kingdom of Thailand has shown a great interest to develop education and support students' science projects.

TJ-SIF 2016 is an enormous step towards the future of our Information and Communication Technology, presenting important advances in applications and software, robotics and hardware and the Internet of Things. (IoT). Thank you for being part of this fulfilled dream, a great challenge for students and the harmonious friendship between our countries!

Welcome to Thailand-Japan Student ICT Fair 2016 (TJ-SIF 2016) Hope you are ready to share, learn and enjoy!

Princess Chulabhorn Science High Schools

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# Organizations

## Hosts

- The Office of the Basic Education Commission (OBEC)
- Princess Chulabhorn Science High Schools (PCSHS)
- King Mongkut's Institute of Technology Lakrabang (KMITL)
- Burapha University
- Japan International Cooperation Agency (JICA)

## Thai Participants

- 1.Princess Chulabhorn Science High School Chiang Rai
2. Princess Chulabhorn Science High School Phitsanulok
- 3.Princess Chulabhorn Science High School Loei
- 4.Princess Chulabhorn Science High School Mukdahan
- 5.Princess Chulabhorn Science High School Buriram
6. Princess Chulabhorn Science High School Chonburi
- 7.Princess Chulabhorn Science High School Pathum Thani
- 8.Princess Chulabhorn Science High School Lopburi
- 9.Princess Chulabhorn Science High School Phetchaburi
10. Princess Chulabhorn Science High School Nakhon-Si-Thammarat
- 11.Princess Chulabhorn Science High School Trang
- 12.Princess Chulabhorn Science High School Satun
- 13.Mahidol Wittayanusorn School
- 14.Kamnoetvidya Science Academy
- 15.Chitralada School
- 16.Damrongrat Songkroh School
- 17.Janokrong School

## **Thai Participants**

- 18.Satri Angthong School
- 19.Kaokeawwittayasan School
- 20.Satuk School
- 21.Mukdawittayanukul School
- 22.Kanaratbumrung Pathumthan School
- 23.Chonkanyanukoon School
- 24.Padengvittaya School
- 25.Streethungsong School
- 26.Wichienmutu School
- 27.Phimanpittayasan School
- 28.Nongsoongsamukkeewittaya School

## **Japanese Participants**

1. SeishinGakuen Junior and Senior High School
2. Hokkaido Sapporo Kaisei High School
3. Tennoji Senior High School Attached to Osaka Kyoiku University
4. Incorporated School Ichikawa Gakuen Ichikawa Senior and Junior high school
5. Bunkyo Gakuin University Girls' Senior High School
6. Nara Prefectural Seisho High School
7. Meijo University Senior High School
8. Tokai University Takanawadai Senior High School
9. Miyagi prefectural Furukawa Reimei Junior and Senior High school
10. Shizuoka Kita Junior and Senior High School
11. Kyoto Municipal Horikawa Senior High School

# MAP OF PRINCESS CHULABHORN SCIENCE HIGH SCHOOL CHONBURI



- |  |   |  |  |   |
|--|---|--|--|---|
| 1 Guard Site                           | 9 Multi-Activities Area 1                     | 17 Botanical Garden                                | 25 School Shop / Arts Room                       | 33 Yoongthong Dormitory / Medical (Female)          |
| 2 Student Affairs Department / Medical | 10 Science Building 1                         | 18 Basketball Court                                | 26 Thai Dancing Room / Thai Music Room           | 34 Chompoopanthip Dormitory (Japanese Participants) |
| 3 Buddha Shrine                        | 11 Science Building 2                         | 19 Auditorium                                      | 27 Open Gymnasium                                | 35 Fuengfa Dormitory                                |
| 4 Tennis Court                         | 12 Car Parking Area 1                         | 20 Restroom  | 28 Library (Oral Presentation / Exhibition Hall) | 36 Laundry  |
| 5 Teachers Houses                      | 13 Multimedia Learning and Resources Center 1 | 21 Canteen   | 29 Supannika Dormitory                           | 37 Multi-Activities Area 2                          |
| 6 Football Field                       | 14 Classrooms                                 | 22 Gymnasium                                       | 30 Intanin Dormitory                             |   |
| 7 Flagpole and Assembling Area         | 15 Multimedia Learning and Resources Center 2 | 23 Car Parking Area 2                              | 31 Preedeeyathorn Dormitory                      |   |
| 8 School Main Offices                  | 16 Green House                                | 24 Open Gym and Football Court (Registration Area) | 32 Ratchapruet Dormitory (Male)                  |   |

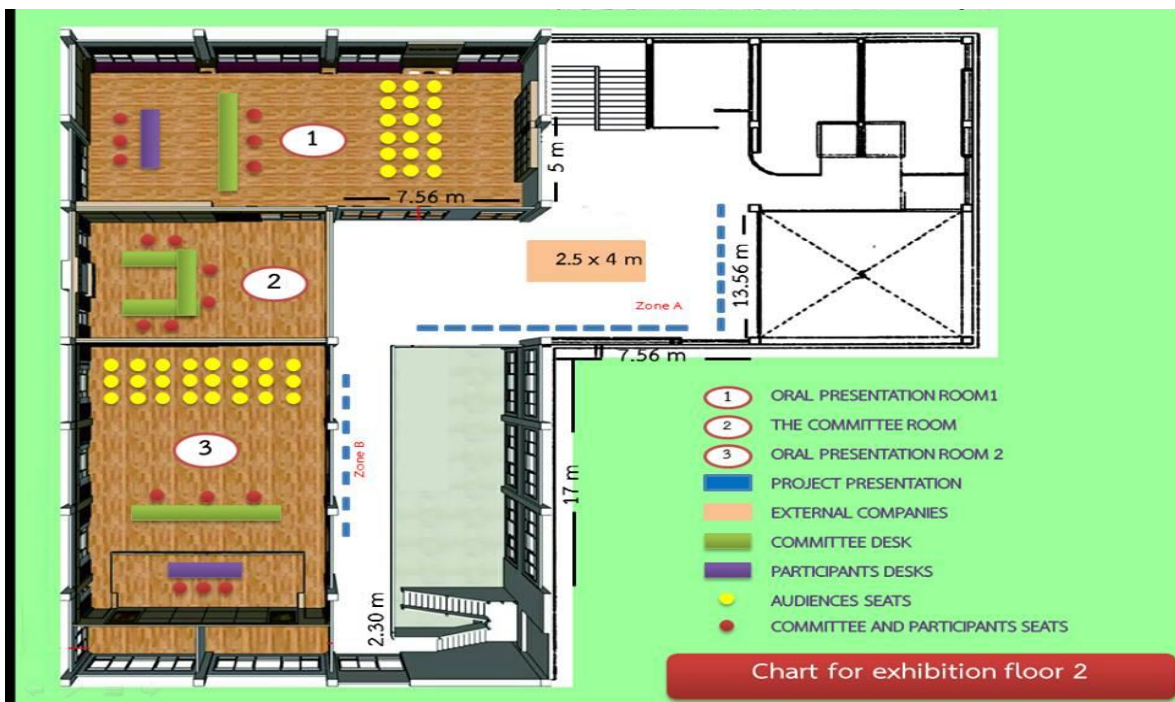
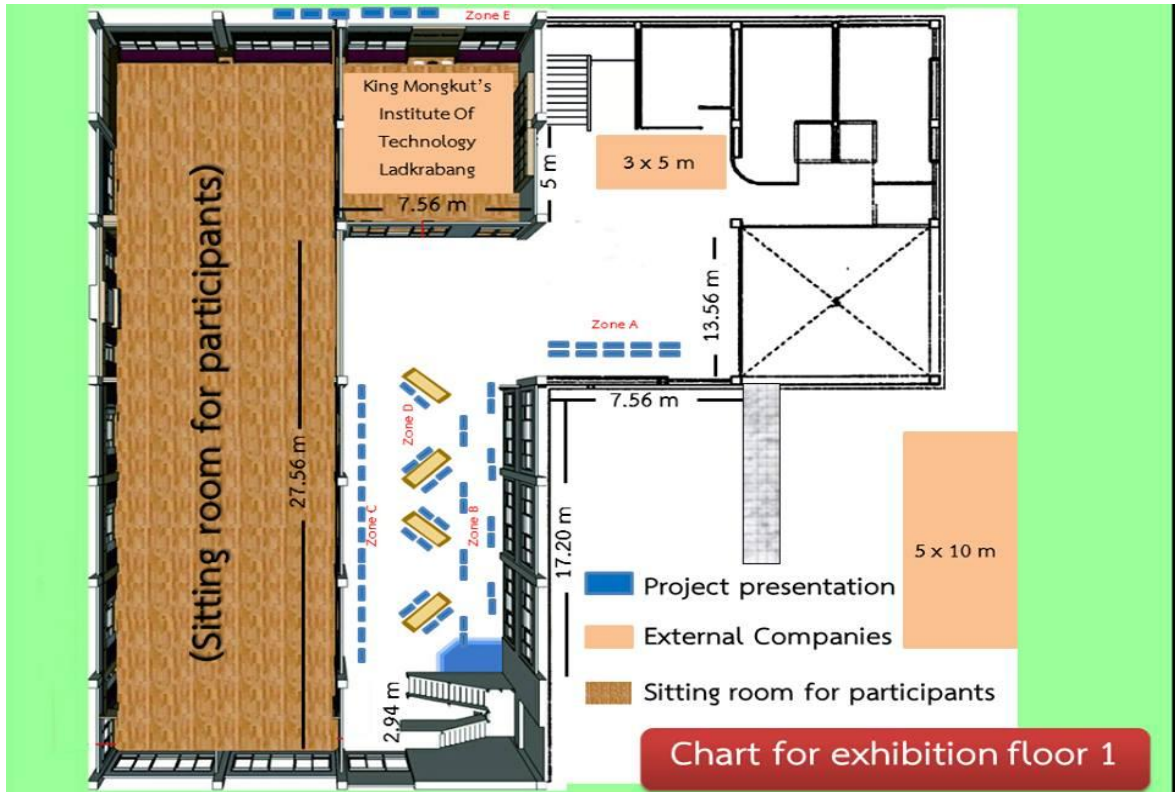


## Top view of Princess Chulabhorn Science High School Chonburi

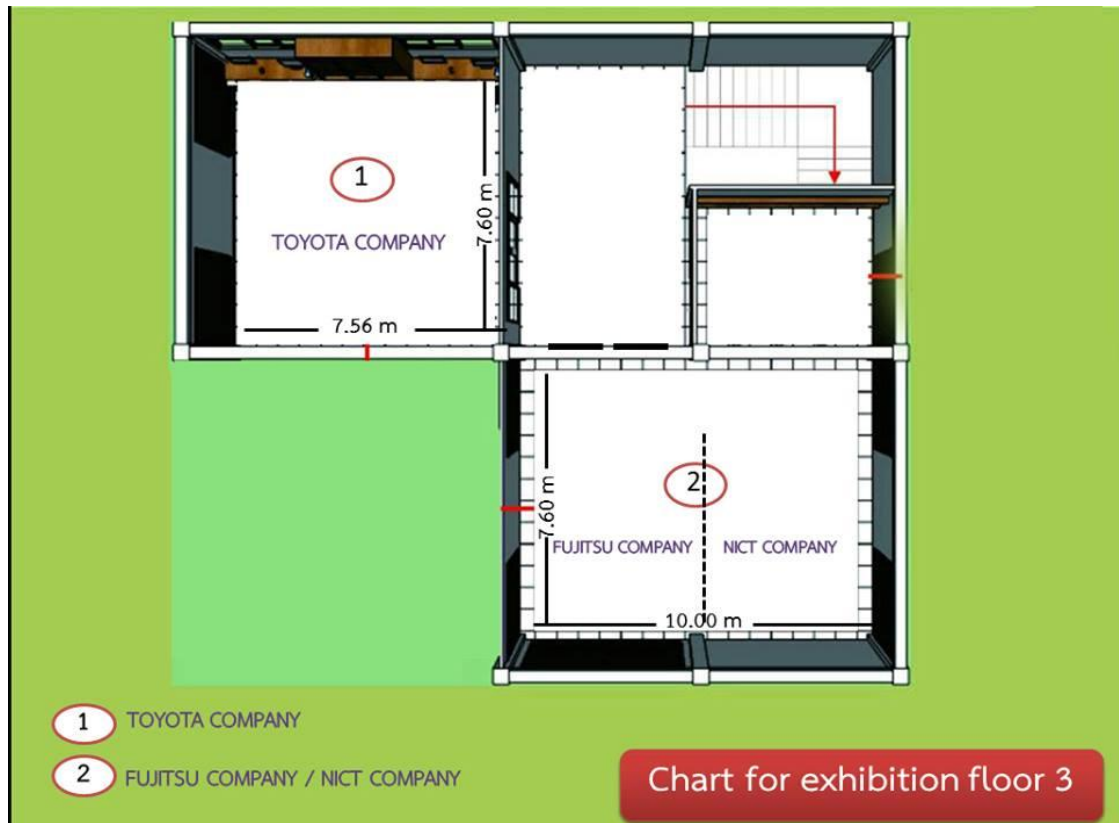




## Map of Posters & Oral Presentations



## Map of External Companies



**Schedule of Thailand-Japan Student ICT Fair (TJ-SIF2016)**  
**20<sup>th</sup> - 24<sup>th</sup> December, 2016**  
**At Princess Chulabhorn Science High School (PCSHS) Chonburi, Thailand**

**Tuesday 20 December 2016 (Preparation day)**

<b>Time</b>	<b>Activities</b>	<b>Place</b>
8:00-17:00	<ul style="list-style-type: none"> <li>- Japanese participants arrive at Suvarnabhumi Airport and will be escorted by partner schools to PCSHS Chonburi.</li> <li>- Thai participants proceed directly to PCSHS Chonburi.</li> <li>- Once they arrive at PCSHS, they will proceed to the registration office.</li> <li>- Local wisdom experience "<i>People, area and culture of Chonburi</i>" (Hands-on activity e.g. making local deserts, garlands, etc.)</li> </ul>	Registration office
17:00-18:00	Posters and exhibitions installation	Exhibition hall
18:00-19:00	Dinner	Canteen
19:00	Move to student dormitory	Students dormitory

## Wednesday 21 December 2016 (Day 1)

Time	Activities		Place
7:00-8:00	Breakfast		Canteen
8:45-9:00	Move to auditorium		Auditorium
9:00-10:00	MC inform about the greeting protocol for opening ceremony and introduce the participants in TJ-SIF 2016		Auditorium
10:00-11:00	Opening Ceremony <ul style="list-style-type: none"> <li>• Video presentation of Princess Chulabhorn Science High Schools</li> <li>• Welcome dances by students</li> <li>• Video presentation as the introduction of TJ-SIF2016</li> <li>• Presentation of ICT projects by PCSHS students and Japanese students</li> <li>• Welcome speech by Mr. <b>Karoon Sakulpradit</b>, Secretary General of the Office of The Basic Education Commission</li> <li>• Congratulations speech by H.E. Mr. <b>ShiroSadoshima</b>, Ambassador of Japan</li> <li>• Opening Speech</li> <li>• Awards presentations</li> </ul>		Auditorium
11:00-12:00	Visit the ICT projects exhibition of Thai and Japanese students and industrial automation of KMITL, Toyota, NICT and Fujitsu		Exhibition hall
12:00-13:00	Lunch		Canteen
14:00-17:00	10 minutes oral presentations section #1 (2 simultaneous sessions)		Presentation room
17:00-18:00	Local wisdom experience "People, areas and culture of Thailand"	Teacher Show and Share	
18:00-20:00	Welcome dinner & Thai cultural show		Auditorium

**Thursday 22 December 2016 (Day 2)**

<b>Time</b>	<b>Activities</b>	<b>Place</b>
7:00-8:00	Breakfast	Canteen
08:30-12:00	10 minutes oral presentations section #2 (2 sessions)	Presentation room
12:00-13:00	Lunch	Canteen
13:00-16:00	10 minutes oral presentations section #3 (2 sessions)	Presentation room
16:00-17:30	ICT Workshop section #1	Auditorium
18:00-19:00	Dinner	Canteen
19:15-20:30	ICT Workshop section #2	Auditorium
20:30-21:00	Field trip preparation	Auditorium

**Friday 23 December 2016 (Day 3)**

<b>Time</b>	<b>Activities</b>	<b>Place</b>
7:00-8:00	Breakfast	Canteen
08:00-12:00	Field trip at a Japanese Factory tour	Toyota Mitsubishi Hino
12:00-13:30	Lunch	
13:30-14:30	Go back to PCSHS Chonburi	
14.30-15.30	Preparation for field trip presentations	Presentation room
15:30-17:00	Field trip presentations	Auditorium
18:00-20:30	Farewell party and Thai-Japanese culture show by students	

**Saturday 24 December 2016 (Cleanup day)**

<b>Time</b>	<b>Activities</b>	<b>Place</b>
6:00-12:00	Travel to Suvarnabhumi Airport, fly home	



**Schedule of Opening Ceremony**  
**Thailand-Japan Student ICT Fair 2016 (TJ-SIF2016)**  
**December 21, 2016 at Princess Chulabhorn Science High School Chonburi**

- 10.00      - Arrive at the auditorium  
             - Video introduction of Princess Chulabhorn Science High Schools  
             - Welcome dances by students  
             - Video introduction of TJ-SIF2016  
             - Presentation of ICT projects by PCSHS students and Japanese Students  
             - Welcome speech by Mr. Karoon Sakulpradit, Secretary General of the Office of The Basic Education Commission  
             - Congratulations speech by H.E.Mr. Shiro Sadoshima, Ambassador of Japan  
             - Opening Speech  
             - Present of awards
- Ambassador of Japan  
- JICA  
- JCC  
- TOYOTA  
- HINO  
- Mitsubishi  
- NICT  
- Fujitsu  
- LOGO  
- KMITL  
- Burapha
- 11.00 -      Visit the exhibition of ICT projects of Thai and Japanese students and industrial automation of KMITL, Toyota, NICT and Fujitsu
- 12.00 -      Lunch
- 13.00      - Leave Princess Chulabhorn Science School Chonburi

## **Information of Project presentation TJ-SIF 2016**

### **Categories:**

1. Applications in Agriculture
2. Applications in Education
3. Applications in Entertainment and Games
4. Applications in Healthcare
5. Applications in Household
6. Applications in Services
7. Applications in General Activities

### **Commentators:**

#### **Room 1:**

- |   |  |
|---|--|
| 1. Dr.Kanuengnij Kubola                   | Burapha University                                   |
| 2. Assistant Prof. Dr. Surin Kittitornkun | King Mongkut's Institute of Technology<br>Ladkrabang |
| 3 Asst.Prof. Kitdakorn Klomkarn           | King Mongkut's Institute of Technology<br>Ladkrabang |

#### **Room 2 :**

- |                                       |  |
|---------------------------------------|--|
| 1.Mr. John Gatewood Ham               | Burapha University                                   |
| 2. Asst.Prof. Dolchai Sookcharoenphol | King Mongkut's Institute of Technology<br>Ladkrabang |
| 3. Asst.Prof. Boonchana Purahong      | King Mongkut's Institute of Technology<br>Ladkrabang |

**Program for Project Presentations TJ-SIF 2016**  
**21 December 2016 (Section1) Time 14.00 – 16.00 Room 1**

**Day 1: 21 December 2016 ( Section 1 ) Time 14.00 – 17.00 Room 1**

No.	Time	Code	Title of Projects
1	14.00-14.15	Ser01	Mobile Application for School Information
2	14.15-14.30	Ser02	Apps on Person Verification with Bluetooth Low Energy
3	14.30-14.45	Ser03	Application electricity Control via Android system
4	14.45-15.00	Ser04	Location Based Services Apps
5	15.00-15.15	Ser05	Find My Love
6	15.15-15.30	Ser06	HoloShowcase
7	15.30-15.45	Ser07	Clothes Simulator
8	15.45-16.00	Ser08	Automatic Extractive Text Summarization Technique
9	16.00-16.15	Ser09	Face Recognition Program
10	16.15-16.30	Ser10	Local Feature Based Offline Handwritten Thai Character Recognition
11	16.30-16.45	Ser11	Program for Human's Height and Weight Prediction from Voice
12	16.45-17.00	Ser12	Multi - function Service Droid

**Day 1 : 21 December 2016 ( Section 1 ) Time 14.00 – 17.00 Room 2**

No.	Time	Code	Title of Projects
1	14.00-14.15	Ser13	Creation and Evaluation of a Virtual Interactive Map of Our School for Guiding Visitors
2	14.15-14.30	Ser14	Gakko 360
3	14.30-14.45	Ser15	Online Registration for the Club
4	14.45-15.00	Ser16	Smart drug label for the visually impaired
5	15.00-15.15	Ser17	Electrical Generator from Heat Extractor of Air-conditioning Compressor
6	15.15-15.30	Agr01	Automated Hydroponic Tower
7	15.30-15.45	Agr02	Intelligent Watering Robot
8	15.45-16.00	Agr03	Smart Farm
9	16.00-16.15	Agr04	Control of Water System by Raspberry Pi
10	16.15-16.30	Agr05	Automatic Water System
11	16.30-16.45	Agr06	FLY4FARM
12	16.45-17.00	Agr07	Smart Sowing Machine for Marigold Seeds

**Day 2 : 22 December 2016 ( Section 2 ) Time 08.30 – 12.00 Room 1**

No.	Time	Code	Title of Projects
1	08.30-08.45	Hea01	An Automatic Height and Weight Scale
2	08.45-09.00	Hea02	An Analysis of Electroencephalographic Change by Listening to Music
3	09.00-09.15	Hea03	Medicine Notifications Apps
4	09.15-09.30	Hea04	The Relationship between Brainwaves and Music
5	09.30-09.45	Hea05	Infrared Sensors Conversational System
6	09.45-10.00	Hea06	Eyes Care Alert Apps
7	10.00-10.15	Hea07	Auto Alert Toilet System
8	10.15-10.30	Hea08	Headache Risk Factor Analysis Application
9	10.30-10.45	Hea09	Smart Bin
10	10.45-11.00	Hea10	Colony Count Application
11	11.00-11.15	Hea11	Verification of Effect by the Training of Working Memory

**Day 2 : 22 December 2016 ( Section 2 ) Time 08.30 – 12.00 Room 2**

No.	Time	Code	Title of Projects
1	08.30-08.45	GeA01	3D Images with Drone Technology
2	08.45-09.00	GeA02	The Automatic Mushrooms Watering Machine
3	09.00-09.15	GeA03	The Effectiveness of Sacrificial Bunts in Baseball
4	09.15-09.30	GeA04	Speed Comparison of the Single Scull with Biomimetics
5	09.30-09.45	GeA05	Developing an Application Software to Optimize Route for Visiting Rides
6	09.45-10.00	GeA06	Making Rescue Robot for RoboCup
7	10.00-10.15	GeA07	Be Safe Bike
8	10.15-10.30	GeA08	Journey of Scout
9	10.30-10.45	GeA09	The Difference between Japanese, Thai, and English Pronunciation
10	10.45-11.00	GeA10	Application of Faraday's Motor
11	11.00-11.15	GeA11	Creating inexpensive Anion-Exchange Membrane

**Day 2 : 22 December 2016 ( Section 3 ) Time 13.00 – 16.00 Room 1**

No.	Time	Code	Title of Projects
1	13.00-13.15	EaG01	Smart Healthcare Game
2	13.15-13.30	EaG02	Daddy Dash
3	13.30-13.45	EaG03	Chess Online by Virtual Reality
4	13.45-14.00	EaG04	The Backpacker
5	14.00-14.15	EaG05	Othello Artificial Intelligence (AI)
6	14.15-14.30	Hou01	Making an Intelligent Bottle Keeper
7	14.30-14.45	Hou02	Smart App for Smart Light
8	14.45-15.00	Hou03	Smart Piggy Bank
9	15.00-15.15	Hou04	KookKai
10	15.15-15.30	Hou05	Electronical Security Monitor
11	15.30-15.45	Hou06	Floor Cleaning Robot
12	15.45-16.00	Hou07	Cloud Electricity Control

**Day 2 : 22 December 2016 ( Section 3 ) Time 13.00 – 16.00 Room 2**

No.	Time	Code	Title of Projects
1	13.00-13.15	Edu01	The Development and Improvement of Four-leg Walking Robot for Robot Contest
2	13.15-13.30	Edu02	You Can Find My Project
3	13.30-13.45	Edu03	Smart Travel
4	13.45-14.00	Edu04	Conix
5	14.00-14.15	Edu05	Monitoring Classroom
6	14.15-14.30	Edu06	Teaching by Augmented Reality
7	14.30-14.45	Edu07	AR on Smart Garden Website
8	14.45-15.00	Edu08	Trigonometry Apps
9	15.00-15.15	Edu09	Multi Programs Calculation
10	15.15-15.30	Hou08	Automatic Lighting Schedule
11	15.30-15.45	Hou09	Self - Flying Drone
12	15.45-16.00	Hou10	Control Web Cameras



## Posters Presentations TJ-SIF 2016

### Library 1st Floor

<b>A</b>	<b>Applications in Education</b>
Edu01	The Development and Improvement of Four-leg Walking Robot for Robot Contest
Edu02	You Can Find My Project
Edu03	Smart Travel
Edu04	Conix
Edu05	Monitoring Classroom
Edu06	Teaching by Augmented Reality
Edu07	AR on Smart Garden Website
Edu08	Trigonometry Apps
Edu09	Multi Programs Calculation

<b>B</b>	<b>Applications in Household</b>
Hou01	Making an Intelligent Bottle Keeper
Hou02	Smart App for Smart Light
Hou03	Smart Piggy Bank
Hou04	KookKai
Hou05	Electronical Security Monitor
Hou06	Floor Cleaning Robot
Hou07	Cloud Electricity Control
Hou08	Automatic Lighting Schedule
Hou09	Self - Flying Drone
Hou10	Control Web Cameras

<b>C</b>	<b>Applications in Healthcare</b>
Hea01	An Automatic Height and Weight Scale
Hea02	An Analysis of Electroencephalographic Change by Listening to Music
Hea03	Medicine Notifications Apps
Hea04	The Relationship between Brainwaves and Music
Hea05	Infrared Sensors Conversational System
Hea06	Eyes Care Alert Apps
Hea07	Auto Alert Toilet System
Hea08	Headache Risk Factor Analysis Application
Hea09	Smart Bin
Hea10	Colony Count Application
Hea11	Verification of Effect by the Training of Working Memory

<b>D</b>	<b>Applications in Services</b>
GeA01	3D Images with Drone Technology
GeA02	The Automatic Mushrooms Watering Machine
GeA03	The Effectiveness of Sacrificial Bunts in Baseball
GeA04	Speed Comparison of the Single Scull with Biomimetics
GeA05	Developing an Application Software to Optimize Route for Visiting Rides
GeA06	Making Rescue Robot for RoboCup
GeA07	Be Safe Bike
GeA08	Journey of Scout
GeA09	The Difference between Japanese, Thai, and English Pronunciation
GeA10	Application of Faraday's Motor
GeA11	Creating inexpensive Anion-Exchange Membrane

<b>E</b>	<b>Applications in Agriculture (Outdoor)</b>
Agr01	Automated Hydroponic Tower
Agr02	Intelligent Watering Robot
Agr03	Smart Farm
Agr04	Control of Water System by Raspberry Pi
Agr05	Automatic Water System
Agr06	FLY4FARM
Agr07	Smart Sowing Machine for Marigold Seeds

## Library 2nd Floor

<b>A</b>	<b>Applications in Services</b>
Ser01	Mobile Application for School Information
Ser02	Apps on Person Verification with Bluetooth Low Energy
Ser03	Application electricity Control via Android system
Ser04	Location Based Services Apps
Ser05	Find My Love
Ser06	HoloShowcase
Ser07	Clothes Simulator
Ser08	Automatic Extractive Text Summarization Technique
Ser09	Face Recognition Program
Ser10	Local Feature Based Offline Handwritten Thai Character Recognition
Ser11	Program for Human's Height and Weight Prediction from Voice
Ser12	Multi - function Service Droid
Ser13	Creation and Evaluation of a Virtual Interactive Map of Our School for Guiding Visitors
Ser14	Gakko 360
Ser15	Online Registration for the Club
Ser16	Smart drug label for the visually impaired
Ser17	Electrical Generator from Heat Extractor of Air-conditioning Compressor

<b>B</b>	<b>Applications in Services</b>
EaG01	Smart Healthcare Game
EaG02	Daddy Dash
EaG03	Chess Online by Virtual Reality
EaG04	The Backpacker
EaG05	Othello Artificial Intelligence (AI)

## Field Trip Program

A half-day field trip for TJ-SIF 2016 participants is scheduled on Friday 23<sup>rd</sup> December 2016. Because of the time limitation, each participant will be able to take only 1 of the 3 possible trips available. All participants can check his/her assigned group number (A to C) at the registration desk. There will be a Share & Learn session in the afternoon after returning from the trip.

At the end of the trip, it is time for sharing and learning. Each group will have one and a half hour to discuss and share among group members the ICT contents what they have learned from the field trip. Your 15 min-presentation should focus on what you have learned and what you want to share with the other groups. Let's have fun!

### Schedule for field trip on 23<sup>rd</sup> December 2016 :

Time	Contents	Venue
07.30 – 08.00	Get on the bus according to your assigned group. Heading to the factory	Main road
08.00 – 12.00	Field trips at Japanese factories nearby	Japanese factory in Chonburi area
12.00 – 13.30	Lunch	
13.30 – 14.30	Go back to PCSHS Chonburi	
14.30 – 15.30	Preparation for field-trip presentations	Presentations room
15.30 – 17.00	Field-trip presentations	Auditorium

## Trips Information

### Trip No.1 (TOYOTA Motor Thailand CO, Ltd.) –Group A



Toyota Banpho Plant  
99 Moo 2, Tambon Ladkwang, Ban Pho, Chachoengsao Province. 24140

#### Company Message

*Driving into the future,*  
fueled by the power of people and technology



Funding for production research and development in the region

We know that Toyota Motor (Thailand) Co., Ltd. is a center for production research and development in the Asia Pacific region. It is working with the cooperation of Toyota Motor Asia Pacific Engineering and Manufacturing (TMAP-EM) which seek to create the best possible products and services for its customers throughout the region.

Toyota is committed to creating safe and environmentally friendly products. Each Toyota vehicle must pass the European standard for safety and emissions (Euro III). In addition, this company is also continually researching and developing new sources of alternative energy to be used to power vehicles, such as Ethanol, CNG, Biodiesel, and Hybrid technology.

Toyota Motor (Thailand) Banpho Plant concentrate its efforts on developing new and innovative products **which all students who are interested in ICT will spend their time to explore the way that TOYOTA produces their products and services using ICT.**



## Trip No.2 ( Mitsubishi Electric Consumer Products (Thailand) Co, Ltd. – Group B

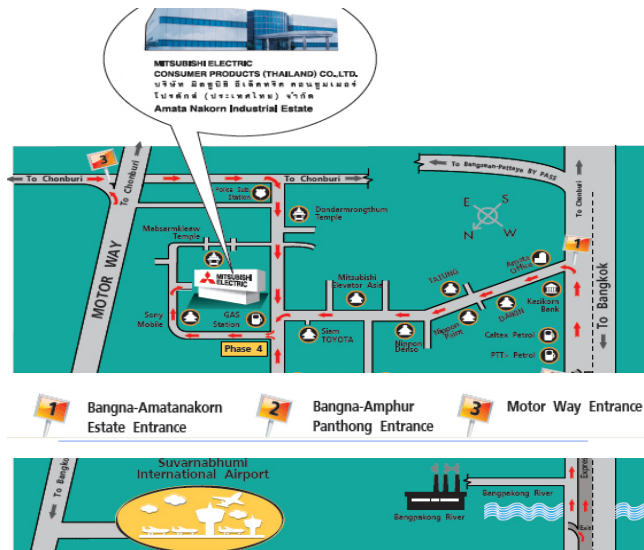


The Mitsubishi Electric Group operates on the corporate principle of contributing to creating a vibrant and affluent society by enhancing its technologies, services, and creative powers, as a leader in the manufacture and sales of electric and electronic equipment used in

Energy and Electric Systems, **Industrial Automation**, Information and Communication Systems, Electronic Devices, and Home Appliances.

**Mitsubishi Electric Consumer Products (Thailand) Co., Ltd.**  
Amata Nakorn Industrial Estate  
700/406 Moo 7  
Tambon Don Hua Roh  
Amphur Muang  
Chonburi 20000  
THAILAND  
Tel : (+6638) 265-800  
Fax : (+6638) 214-880

E-mail : [mcp@mcp.meap.com](mailto:mcp@mcp.meap.com)  
Website : <http://www.mitsubishi-mcp.co.th>



URL: [www.mitsubishi-mcp.co.th](http://www.mitsubishi-mcp.co.th)

### Trip No.3 ( HINO Motor Manufacturing (Thailand) LTD. – Group C



### Ultimate Technology Customized to your Needs

Hino always realizes the importance of the fast and on-going pace of social and economic changes occurred locally as well as globally. In response to these changes, the 'Hino Vision for the 21st Century' is based on Hino's commitment to the social progress and prosperity of Thailand and the world we live in. That's why we place a great priority on the environmental issues, the security system and systematic distribution in order to achieve our commitment by going into the 21st Century with more efficiency while protecting our environment. Regardless of the changes, we are ready to meet such challenges and create better and superior products that are customized to your needs and society at the same time.

### ISO 9001 – Today's Leading Standard Certification

Every Hino vehicle is assembled at facilities that are equipped with the most advanced technologies and know-how, as implemented by Hino Motors, Ltd., Japan. Every step of production is an internationally accepted process. This is why Hino became Thailand's first truck and bus producer to attain the prestigious ISO 9001 quality certification, as assessed by the internationally-renowned Bureau Veritas Quality International (BVQI). Implementation of these international standards has earned the company's products acceptance in markets all over the world, thereby generating valuable export earning for the Thai economy.



## **Field Trips Regulations to the 3 factories**

### **1. Toyota Motor Thailand Co. Ltd. (Ban Pho Plant)**

- 9:00 Arrive at Toyota Motor Thailand.  
Get some water and sweets in front of Panawes' room,  
then move to the meeting room for meeting a public relations  
representative and receive an explanation about the regulations during  
the factory tour (30 minutes).
- 9:30 Move to the customers room.
- 10:00 Go around the factory. See the manufacturing line and visit  
Sky Walk Way (40 minutes).
- 11:00 Questions & Answers time
- 11:30 Go back to school

### **2. Mitsubishi Electric Consumer Products Co. Ltd.**

- 9:00 Arrive at Mitsubishi Electric Consumer Products.  
Meet a company representative and watch a video about the company.  
Receive an explanation about the manufacturing line and the  
regulations during the factory tour (30 minutes).  
See the products exhibition room, Sensor System, Teertor 3D  
(30 minutes).
- 10:00 See the manufacturing line (small air conditioner and big air  
conditioner). Visitors should walk inside of white line.  
See the sound test room.
- 11:30 Questions & Answers in the meeting room.
- 12:00 Go back to school.

### **3. Hino Motors Manufacturing (Thailand) Ltd.**

- 9:00 Arrive at the Hino Motors Manufacturing and meet a company representative. Receive an explanation about the factory regulations for the tour (30 minutes).
- 9:30 See the manufacturing line. See the car production process from the first step to the final step (40 minutes). See the Q Test System.
- 11:20 Questions &Answers
- 12:00 Go back to school.

#### **Notice**

1. Visitors should wear trousers. They must also wear sneakers or shoes, no sandals (footwear covering your feet).
2. At Toyota Company all visitors should wear the cap that the company provides.
3. Do not talk on mobile phones while walking. If necessary, please stop walking before using your mobile phone.
4. Do not walk with your hands into the pockets.
5. Taking photos is allowed only in limited areas.

## **Helpful Information**

### **PCCCHON Wi-Fi Security and Usage**

As the Wi-Fi is available campus-wide in Princess Chulabhorn Science High School Chonburi, users need to follow these rules:

1. Login your own internet account name and password. User should not log in by using other users' accounts. Users should keep the password secret and should not try to peep or decode other users' passwords.
2. Do not transmit or broadcast personal or secret articles before getting permission.
3. Do not send spam e-mails which can annoy or trouble others.
4. Do not spread or post programs which can be harmful, such as computer viruses. Users should check whether the files, news or programs are virus-free or not.



## Medical Service Guide

We have prepared the TJ-SIF 2016 medical team to assist you for the entire 24-hour period at Princess Chulabhorn Science High School Chonburi. Please feel free to contact any staffs to get assistance any time.

- Medical Center : 089-093-9515, 087-026-4398

Nevertheless, to ensure you a pleasant stay in Chonburi, we would like to remind you of the information as follow:

1. As catching a cold is a frequent case in the winter, a season with high humid and temperature difference \between the morning and the evening in Chonburi, please drink more water, take a good rest and wear suitable clothing. Please ensure quality sleeping before attending the events, and take with you some medicines during the events according to your own health condition. Please contact us or go to a hospital promptly, should you have influenza-like symptoms like fever, cough, sore-throat, rhino rhea, nasal congestion etc.
2. As local food may be different from your daily food, please try to keep regular living habits, and avoid having uncooked, cold, unclean or fried food. For the purpose of preventing gastrointestinal diseases fruits should be well washed or protect before eating.
3. Please protect yourself from slipping down, scalding or other accidents when using restrooms, and from possible injuries when riding vehicles or attending events.
4. Prevention of infectious diseases
  - Dengue fever prevention: Please contact us or go to the hospital promptly, should you have symptoms like fever, body aches, orbital pain, muscle and joint pain, skin rash etc.
5. In case of any illness or injury at the dormitory, feel free to contract the dormitory team at the following phone numbers:

- |                         |                   |
|-------------------------|-------------------|
| - Miss Daungporn Balee  | Tel. 089-093-9515 |
| - Miss.Kanokwan Thongin | Tel. 088-209-4220 |
| - Miss Janyaluk Satue   | Tel.092-393-4950  |

Wish you have good health and a happy stay in Chonburi.

“ Medical Service Team ”

## **Information and Contact Persons**

**Any advice or helps in general, please contact**

**Information and Contact Center:  
(24-Hour Service)**

**Tel. 088-768-7148, 081-456-3099**

Or

- Head of Information Department (Mrs.Patcha Anugulwech Tel.081-572-8393
- Head of Career and Technology Department ( Mrs. Yupaporn Premkamal)  
Tel.081-715-3273
- Head of Foreign Languages Department (Miss Sunanta Pairin) Tel. 089-8319785

**Any advice or helps when being at the dormitory**

- Mr.Buncha Pluem-Arom Tel. 086-880-9899
- Mr.Tanate Thongthai Tel. 062-843-3240
- Miss Daungporn Balee Tel. 089-093-9515
- Miss Janyaluk Satue Tel.092-393-4950
- Miss Chompoonuch Krongkajornsook Tel. 087-533-7800
- Miss Nijkamon Daengdong Tel. 091-072-8928
- Mr.Warunyu Wongsanga Tell.082-669-3919
- Mr.Pichai Wongchalee Tell.061-626-8313

## **Rules and Regulations of the School Dormitories**

1. If you find someone who is sick, some broken objects in the dormitory or any inconvenience, please contact teachers –in – charge.
2. Please take care of your belongings and do not damage public property.  
Please check your belongings before leaving.
3. If you want to leave or go outside the dormitory after 11.00 p.m., please contact teachers – in – charge.
4. Please keep clean and in order.

### **Rules and Regulations for everyone who stays in the School Dormitories.**

Dormitory Time

Morning: 06.00 a.m. – 08.00 a.m.

Evening: 05.00 p.m. – 09.00 p.m.

### **You should behave yourselves while staying in the dormitory:**

1. Students must come in and go out at the specified times.
2. Students should not be noisy.
3. Students are not allowed to bring food, drink, soft drink, sweets, snacks or anything else to eat and drink except water, juice and milk.
4. Please keep the dormitory clean.
5. Please keep your shoes in order outside the room.
6. If any appliance is damaged, please immediately inform the teachers in charge.

**Thank you for your cooperation.**

## Acknowledgement for the Cooperation of TJ-SIF 2106

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